

# Community Advisory Group Meeting

## Agenda

11/14/06

- ② Introduction of Meeting & Ground Rules  
NEW ROAD FOR POTENTIAL LETTERS HAVE GENERATED 95 NEW HOMES FOR  
Agency Presentations SAMPLING. ③ HOUSES RAISED.

City of Herculaneum Status of Bridge Final Bid and Construction Schedule  
DNR DECEMBER CONSTRUCTION START, CONTRACTOR HAS BEEN  
EPA SELECTED.  
HEALTH

### Some CAG current points of concern

An easily understood Lead Trend Analysis through May, 06

A Review and Status Report of the Slag Pile Agreement EPA RECEIVED OCT/27; COMMENTS  
SENT 11/9. AOC PROVIDES 15 MONTHS  
FOR REEM CONSTRUCTION.  
What are the quantities of new slag being generated - 50,000 TONS/YEAR

Is sewage still being placed on the slag pile?

Current status and Terms of the State Implementation Program (SIP)

Actions taken and to be taken to insure that future yard replacements will include

Replacement soil that is nutrient rich that is at least at the same level of the nutrient consistency of the soil that was replaced.

The disposition and current status of EPA's actions to address the yard replacement of Herculaneum Resident, Charles Gill, who complained of destruction and damage to his plants and fruit trees by EPA's soil replacement action on his property The average number of lead concentrate trucks that pass through Herculaneum each day.

### Additional Questions

YARD WAS TESTED  
WILL ADEQUATE RE-SEED  
HIGH CLAY CONTENT

A717

30278482



Superfund

0400

2.0

AIR

WORKING ON MODEL TO UNDERSTAND 2005 EXCEEDANCES.

PERFORMANCE OF MODEL IS GOOD, BUT TRYING TO IMPROVE IT.

A LITTLE BEHIND SCHEDULE DUE TO MODELING.

NEXT STEP: APPLY CONTROLS IN MODEL TO SEE IF CONTROLS WILL REDUCE EMISSIONS, DUE TO TIME DEAD LINES, DOE RUO HAS STARTED

CONSTRUCTION ON SOME OF THE CONTROLS, EVEN THOUGH MODELING

TRIALS HAVE NOT BEEN COMPLETED.

**A RESOLUTION  
BY THE CITIZEN'S ADVISORY GROUP  
OF HERCULANEUM, MO.  
SUBMITTED AUGUST 16, 2006  
TO THE MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AND THE ENVIRONMENTAL PROTECTION AGENCY**

We the Herculanum Citizen's Advisory Group hereby resolve that the Broad Street monitoring station remain in place and outside of the Doe Run fence, if and when the fence is moved. It is the concern of the CAG, that without accurate monitoring, redeposition and other health risks will increase. The CAG strongly feels that the Broad Street monitor is vital to the accurate collection of data in determining ambient air readings.

**Respectfully Submitted**

**Catherine Malugen  
Tim Myers  
Larry O'Leary  
(CAG Core Team)**

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AUG 28 2006  
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The community Advisory Group resolves that movement of the Doe Run fence thereby increasing the amount of land that is within that fence is a step that is detrimental to the health of those who live, work, attend school, or visit the city of Herculanenum. more specifically, such a move increases the area for which Doe Run does not have to maintain an ambient air quality consistent with the prevailing NAAQS standard. This increase of area simply serves to expand the contaminated area and move it even closer to the people who live, work, or visit Herculanenum and thereby further endangering their health. For the above reasons we believe that movement of the fence that expands the area within the fence not only fails to address the problem of contamination and re-contamination, but that it goes beyond that to increase these very problems.

**Respectfully Submitted**

**Catherine Malugen  
Tim Myers  
Larry O'Leary  
(CAG Core Team)**

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**AUG 28 2006**

**SUPERFUND DIVISION**

## **Herculaneum, Missouri**

### **● Community Advisory Group Meeting**

November 15, 2005  
Bruce Morrison, EPA, Toll Free # 1-800-223-0425  
Bob Hinkson, MDNR, Toll Free # 1-800-361-4827

## **Cleanup Progress**

- Replacement of contaminated yard soils and interior cleanings are complete for calendar year 2005
- 407 yards completed
- 113 home interiors cleaned

## **Soil Recontamination Monitoring**

- EPA collecting soil samples quarterly
- Statistical analyses show upward trends in soil lead concentrations within 0.8 mile of smelter
- Data and statistics available on EPA web site at:
  - [www.epa.gov/region7/cleanup/superfund/major\\_superfund\\_site\\_reports.html](http://www.epa.gov/region7/cleanup/superfund/major_superfund_site_reports.html)
- Updated MDNR statistical analysis report

## **Statistics Summary 2nd Quarter 2005**

- EPA analysis:
  - 42 of 62 quadrants, or 68 percent, show an increasing trend in soil lead concentrations
  - 15 of 18 residences have at least 1 quadrant with an increasing trend
- MDNR's current estimated yearly rates of soil Pb recontamination (mg Pb/kg/yr) & number of years to 400 & 1,200 mg/kg total Pb in soil:
 

Distance	Rates	Years to 400/1,200
<0.25 mile	59.1 mg/kg/yr	>2 yrs/16 yrs
0.25-0.50 mile	48.2 mg/kg/yr	~3 yrs/19 yrs
0.50-0.75 mile	45.0 mg/kg/yr	~4 yrs/22 yrs

## **Speciation & Bioavailability Studies**

- Speciation study concluded that most of the lead in samples collected was from smelter activities
- Absolute bioavailability of lead was:
  - above the default value for yard soil samples
  - slightly below the default value for interior dust samples
- Copies of reports are available for review at City Hall

## **Slag Pile**

- Copies of EE/CA & other documents are at City Hall & Windsor Branch - Jefferson County Library
- MDNR's August 11, 2005, letter conditionally approved use of slag as road base for the new bridge and road
  - Slag pile expansion will be reduced about 3 acres
- Awaiting Doe Run's revised slag pile drawings & Wetland Mitigation Plan revised per comments
- Initiating negotiations with Doe Run on 3rd AOC modification & SOW addendum for slag pile design, construction & wetland mitigation

### **Quarterly Newsletter**

- EPA sent out a quarterly Newsletter on November 2, 2005
- Sent out to each resident of Herculaneum
- An update from the CAG was included in the Newsletter

### **Voluntary Property Purchase**

- 149 purchase offers, 142 accepted, 130 closed
- 12 accepted offers still open (must close by 12/31/2005 to receive all payments)
- 20 permanent residences did not participate (did not request appraisal by 12/31/2004 or accept purchase offers by 6/30/2005)
  - All mobile homes in Terrace MHP accounted for
- Continuing to verify numbers & VPP area properties owned & not owned by Doe Run
- Path forward for VPP area & other issues

### **Transportation & Materials Handling**

- Awaiting report from Doe Run on new measures
- T & MH issues at other facilities & sites

### **AOC Plans**

- Human Health Risk Assessment
  - MDNR/DHSS comments on RAGS Part D report sent by letter July 26, 2005
  - EPA comments sent by letter October 7, 2005
- Sampling and Analysis Plan
- Quality Assurance Project Plan
- Ecological Risk Assessment Plan
- Natural Resource Damage Assessment Plan
  - Draft Characterization Area Investigation Report under review - MDNR compiling comments



1801 PARK 270 DRIVE, SUITE 300  
ST. LOUIS, MO 63146

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Contact: Christi Dixon or Tammy Stankey (314) 469-3500

**FOR IMMEDIATE RELEASE**

**Doe Run Achieves National Ambient Air Quality Standard For Fourth Quarter 2005**

ST. LOUIS (Jan. 18, 2006) – The Doe Run Company today announced that the area near its Herculaneum, Mo., facility met the National Ambient Air Quality Standard (NAAQS) for the fourth quarter of 2005, according to data collected by Doe Run from the air monitoring stations located there.

According to Doe Run records, results from the air monitors in Herculaneum ranged from 0.1 to 1.2 micrograms of lead per cubic meter of air during the fourth quarter, placing the smelter under the Environmental Protection Agency (EPA)-specified air quality standard of 1.5 micrograms of lead per cubic meter of air (averaged over a three-month period).

“In addition to meeting the NAAQS, we continue to be in compliance with the State Implementation Plan (SIP),” said Gary Hughes, general manager of company’s Herculaneum operation. “We are also committed to ongoing work with our internal staff, outside metallurgical experts and the Missouri Department of Natural Resources (MDNR) to identify the appropriate next steps that will enable us to consistently meet these standards.”

Based in St. Louis, The Doe Run Company is a privately held natural resources company dedicated to environmentally responsible mineral production, metals fabrication, recycling and reclamation. The company and its subsidiaries deliver products and services needed to provide power, protection and convenience through premium products and associated metals including lead, zinc, copper, gold and silver. As the operator of one of the world’s only multi-metal facilities and the Americas’ largest integrated lead producer, Doe Run employs more than 4,000 people, with U.S. operations in Missouri, Washington and Arizona, and Peruvian operations in Cobriza and La Oroya. Committed to sustainable development, The Doe Run Company has helped bring electrical power, business training, educational opportunities and improved telecommunications to rural communities in Peru and the U.S. For more information, visit [www.doerun.com](http://www.doerun.com).

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November 4, 2005

Greg Bieber  
453 Thurwell  
Herculaneum, MO 63048

RECEIVED

NOV 07 2005

SUPERFUND DIVISION

Greg:

I got a call from Bruce Morrison of USEPA about a weed growing in your lawn. I went by this morning and took a look. I am not sure, but I suspect that the weed that you are asking about is curly dock. It has broad, long leaves and grows close to the ground. Curly dock is a perennial weed that grows a large tuber or root. It is usually found in fertile creek or river bottom soils. Since most of the soils used for replacement came from bottom fields, the dock is likely the result of residual seed in the soil.

In a lawn setting, curly dock will not have a chance to go to seed; therefore, it will not likely spread throughout the lawn. However, you may see a few plants until all the seed germinates. Because curly dock has such a large root and grows close to the ground, clipping is not usually effective in controlling it. The easiest method of control is to take a spade or trowel and simply dig out the tuber. Spot treatments of a broadleaf herbicide can also be effective. Roundup may work, but I suppose that I would prefer broadleaf herbicide so as to not harm the grass in the area.

If I have made an error in identifying the correct weed, please call.

Sincerely,

  
Dean Wilson  
Agriculture Specialist

Cc: Bruce Morrison